

Application Serial No. 10/576,790
Attorney Docket No. NIT004WUS/AG/bp
(BOT.005)

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AMENDMENTS TO CLAIMS:

Please cancel claims 8, 10-13, 21, and 23 without prejudice or disclaimer and amend the claims as follows:

1. (Currently amended) A torch with integrated electrolytic action for the surface treatment of metals, comprising:

a peak-paddle connected with the unipolar electric current supply from an external apparatus, the other pole being connected with the metal surface being treated, in which an electrolytic solution used for the treatment is arranged in a tank connected to said torch to supply said peak-paddle through channels inside said torch, and the electrolytic solution is put under pressure in a delivery direction through a metering device of said solution controlled by the user;

wherein said torch comprises as a device for controlling a delivery of the electrolytic solution, a manual pump realized with a flexible zone of a shell of said torch, arranged in on any part of supply ducts, said pump comprising a first non-return valve arranged upstream and a second non-return valve arranged downstream of said flexible zone of the shell,

wherein said shell comprises a handgrip shaped to include rigidifying zones and zones with concentrated flexibility,

wherein said shell is shaped to include a chamber at the second non-return valve and at the flexible zone of said shell, and

wherein the shell is shaped to include preferential sealing zones between an inside of the shell and ~~the~~ a metallic body, through annular seats on the metallic body and corresponding annular inner edges in the shell, to form a seal on said chamber,

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wherein the metallic body includes an axial hole connected to said chamber and ending at the first non-return valve, and

wherein said tank is removably connected to said torch and comprises a semi-rigid or flexible casing for re-entry of air after spraying or suction of the electrolytic solution worked by a user.

2. (Currently amended) A torch with integrated electrolytic action for the surface treatment of metals, comprising:

a peak-paddle connected with the unipolar electric current supply from an external apparatus, the other pole being connected with the metal surface being treated, in which an electrolytic solution used for the treatment is arranged in a tank connected to said torch to supply said peak-paddle through channels inside said torch, and the electrolytic solution is put under pressure in a delivery direction through a metering device of said solution controlled by the user;

wherein said torch comprises as a device for controlling a delivery of the electrolytic solution, a manual pump realized with a flexible zone of a shell of said torch, arranged in on any part of supply ducts, said pump comprising a first non-return valve arranged upstream and a second non-return valve arranged downstream of said flexible zone of the shell

wherein said shell comprises a handgrip shaped to include rigidifying zones and zones with concentrated flexibility,

wherein said shell is shaped to include a chamber at the second non-return valve and at the flexible zone of said shell, and

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wherein said shell is shaped to include preferential sealing zones between an inside of the shell and ~~the~~ a metallic body, through annular grooves on an outside of the shell with ~~for~~ an application of a belt and locking rings of the shell on the chamber,

wherein the metallic body includes an axial hole connected to said chamber and ending at said first non-return valve, and

wherein said tank is removably connected to said torch and comprises a semi-rigid or flexible casing for re-entry of air after spraying or suction of the electrolytic solution worked by a user.

3-8. (Cancelled)

9. (Currently Amended) The torch according to claim 1, wherein said tank comprises, connected with the inside thereof, a filter permeable just to air or a capillary for the re-entry ~~re-entrance~~ of air after the spraying or suction of the electrolytic solution.

10-21. (Canceled)

22. (Currently Amended) The torch according to claim 2, wherein said tank comprises, connected with the inside thereof, a filter permeable just to air or a capillary for the re-entry of air after the suction of the electrolytic solution.

23. (Canceled)